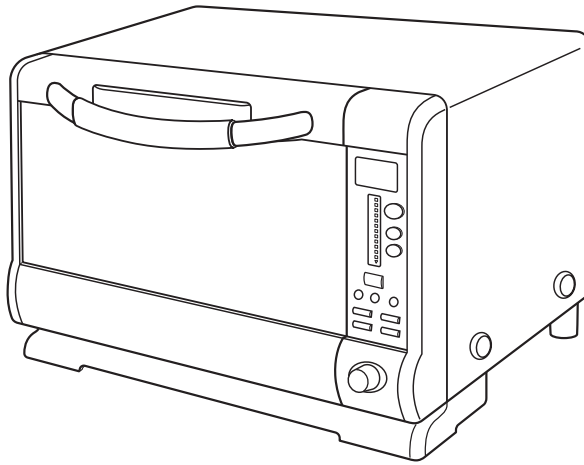


SERVICE MANUAL Microwave Oven

EMO-SRT1(NX)
EMO-SRT1(SG)



Model No	Pro.Code No
EMO-SRT1NX	437 517 01
EMO-SRT1SG	437 517 00

Foreword

Read this manual carefully, especially precaution on microwave energy, and follow the procedure strictly, careless servicing and testing may expose yourself to the microwave energy leakage.

PRECAUTIONS

PRECAUTIONS TO BE OBSERVED BEFORE AND DURING SERVICING TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) Do not operate or allow the oven to be operated with the door open.
- (b) Make the following safety checks on all ovens to be serviced before activating the magnetron or other microwave source, and make repairs as necessary:
 - (1) Interlock operation, (2) proper door closing, (3) seal and sealing surfaces (arcing, wear, and other damage), (4) damage to or loosening of hinges and latches, (5) evidence of dropping or abuse.
- (c) Before turning on microwave power for any service test or inspection within the microwave generating compartments, check the magnetron, wave guide or transmission line, and cavity for proper alignment, integrity, and connections.
- (d) Any defective or misadjusted components in the interlock, monitor, door seal, and microwave generation and transmission systems shall be repaired replaced, or adjusted by procedures described in this manual before the oven is released to the owner.

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CAUTION

MICROWAVE RADIATION
PERSONNEL SHOULD NOT BE EXPOSED TO THE MICROWAVE ENERGY WHICH MAY RADIATE FROM THE MAGNETRON OR OTHER MICROWAVE GENERATING DEVICE IF IT IS IMPROPERLY USED OR CONNECTED. ALL INPUT AND OUTPUT MICROWAVE CONNECTIONS, WAVEGUIDE, FLANGES, AND GASKETS MUST BE SECURE. NEVER OPERATE THE DEVICE WITHOUT A MICROWAVE ENERGY ABSORBING LOAD ATTACHED. NEVER LOOK AN OPEN WAVEGUIDE OR ANTENNA WHILE THE DEVICE IS ENERGIZED.

1. ADJUSTMENT PROCEDURES

TO AVOID POSSIBLE EXPOSURE TO MICROWAVE ENERGY LEAKAGE, THE FOLLOWING ADJUSTMENTS OF THE INTERLOCK SWITCHES SHOULD BE MADE ONLY BY AUTHORIZED SERVICE PERSONNEL.

A. INTERLOCK SWITCH AND DOOR SENSING SWITCH ADJUSTMENT (Figure 1)

- (1) Loosen 2 screws securing the lever stopper.
- (2) Adjust the lever stopper position so that it is pushed up and rotated counterclockwise until there is zero gap between the latch and the switch bodies when the door latch is securely locked.
- (3) Tighten the lever stopper screws securely.
- (4) Make sure the latch interlock switch and the door sensing switch open before the interlock monitor switches closes when the door is opened very slowly, according to "CHECKOUT PROCEDURE FOR SWITCHES" on page 7.
- (5) Make sure the microwave energy leakage is below the limit of the regulation 5 mW/cm^2 when measured with a detector.
(All service adjustments must be made for minimum microwave energy leakage readings.)

B. DOOR INTERLOCK SWITCHES ADJUSTMENT (Figure 1)

- (1) Loosen 2 screws securing the lever stopper.
- (2) Adjust the lever stopper position so that it is pushed

up and rotated counterclockwise until there is zero gap between the latch lever and the switch bodies when the door latch is securely locked.

- (4) Make sure the latch interlock switch open before the interlock monitor switches closes when the door is opened very slowly, according to "CHECKOUT PROCEDURE FOR SWITCHES" on page 6.
- (5) Make sure the microwave energy leakage is below the limit of the regulation 5 mW/cm^2 when measured with a detector.

(All service adjustments must be made for minimum microwave energy leakage readings.)

NOTE: If the interlock monitor circuit operates and at the same time the fuse blows with the door open, be sure to replace the relay circuit board, Interlock switch and monitor switch.

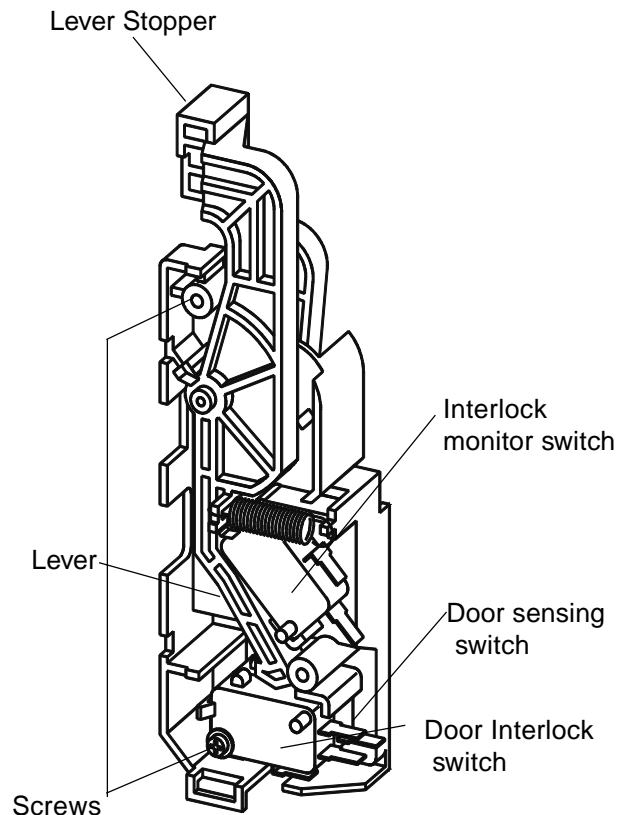


Figure 1

2.SPECIFICATIONS

Microwave output 700W
Frequency 2,450MHz
Power supply 220-230V, 50Hz
Rated current Microwave..5.0 Amp.
 Heater.....5.7 Amp.
Safety Device
Thermal protector(Magnetron) 135°C Open
Thermistor (Oven)

Fuse (Cartridge Type) 250V 8 A
Micro switch, Safty Relay
 Door Interlock Switch
 Interlock monitor Switch
 Door sensing Switch and
 SaftyRelay
Max. input time Electronic Digital, up to
 Reheat/Oven 30min.
 More/Less 120min.
Overall Dimensions 510(W)x458(D)x345(H) mm
Oven cavity size 352(W)x352(D)x235(H) mm
Effective Capacity of Oven Cavity.....25.1liters
Net weight 20Kg

3. POWER OUTPUT MEASUREMENT

- (1) Prepare 1000±5cc tap water.
- (2) Adjust water temperature to 10 ±2°C.
- (3) Pour the water into a container made of borosilicate glass, 190mm outer diameter cylinder, maximum 3 mm thickness.
NOTE: Use the container kept on the room temperature.
- (4)Place the container in the center of the oven cavity.
- (5) Set the heating time for 60 seconds and rating full power and then start oven.
- (6) Take container out immediately when heating time up.
- (7) Stir water for making even water temperature in the container.
- (8) Measure the water temperature.

Water temperature rise shall be 8°C to 12°C.

- (9) For correct Power output measurement, the line voltage under load must be 230±2Volts.

4.PRECAIONS AND REPAIR SERVICE TIPS PRELIMINARY

A. SINCE NEARLY 4,000 VOLTS EXISTS IN SOME CIRCUITS OF THIS MICROWAVE OVEN, REPAIRS SHOULD BE CARRIED OUT WITH GREAT CARE.

B. TO AVOID POSSIBLE EXPOSURE TO MICROWAVE ENERGY LEAKAGE, THE FOLLOWING PRECAIONS MUST BETAKEN BEFORE SERVICING.

- (1) Before the power is applied.
 - (a) Open and close door several times to make sure the interlock switch, door sensing switch and interlock monitor switch operate properly. (Listen for the clicking sound from switches.) Make sure the interlock monitor switch is closed after the interlock switch and door sensing are open when the door is opened. (See pages 1 and 7)
 - (b) Make sure the perforated screen and the choke dielectric of the door are correctly mounted.
- (2) After the power is applied.
 - (a) Open and close the door to see if the interlock mechanism operates properly.
 - (b) Check microwave energy leakage with a leakage detector and confirm the energy leakage is below 5mW/cm²
- (3) Do not operate the unit until it is completely repaired of any of the following conditions.
 - (a) Door is not closed firmly against the cavity front.
 - (b) The hinge is broken.
 - (c) The choke dielectric or the door seal is damaged.
 - (d) The door is bent or warped, or there is any other visible damage to the oven that may cause microwave energy leakage.
Note: Always keep the seal clean.
 - (e) Make sure that there are no defective parts in the interlock mechanism.
 - (f) Make sure that there are no defective parts in the microwave generating and transmission assembly. (especially wave guide).
- (4) The following items should be checked after the unit is repaired.
 - (a) The interlock monitor switch is connected correctly and firmly.
 - (b) The magnetron gasket on the magnetron is properly positioned.
 - (c) Waveguide and oven cavity are intact. (No leakage of microwave energy).
 - (d) The door can be properly closed and the safety switches work properly.
 - (e) The oven must be stopped when the door is opened or the time is up.

The oven must not be operated with any of the above components removed or by passed.

5.CIRCUIT DIAGRAM

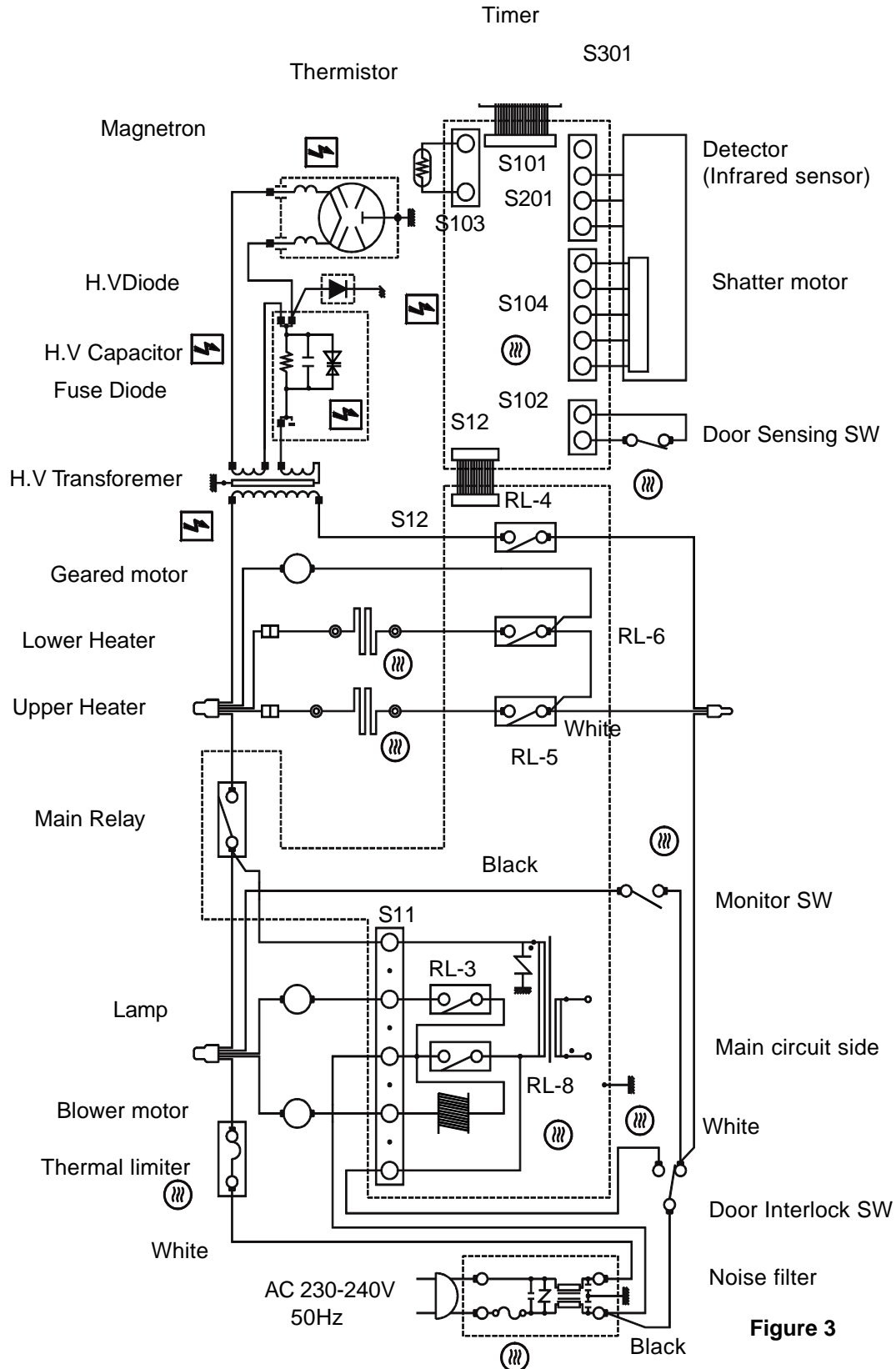


Figure 3

* Caution: The voltage between filament leads of magnetron is about 3.3VA.C, but the filament carries 4KV/DC high voltage with respect to ground. Never touch these leads with bare hand during operation.

6.TEST PROCEDURES ANDTROUBLESHOOTING

CAUTION

-DISCONNECT THE POWER SUPPLY CORD FROM THE WALL OUTLET WHENEVER REMOVING THE CABINET FROM THE UNIT. PROCEED WITH TESTS ONLY AFTER DISCHARGING THE HIGH VOLTAGE CAPACITORS AND REMOVING THE LEAD WIRES ON THE PRIMARY WINDING OF THE HIGH VOLTAGE TRANSFORMERS FOR LOWER AND UPPER MAGNETRONS.

(SEE FIGURE 3)

A.TEST PROCEDURES

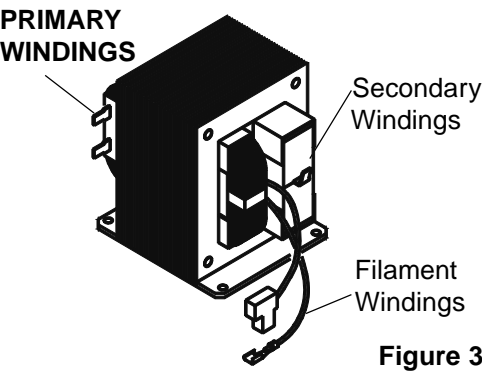
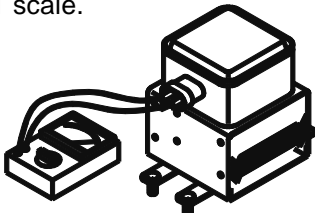
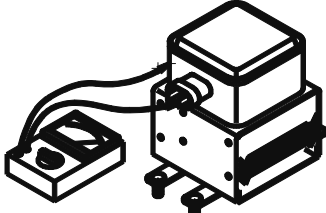
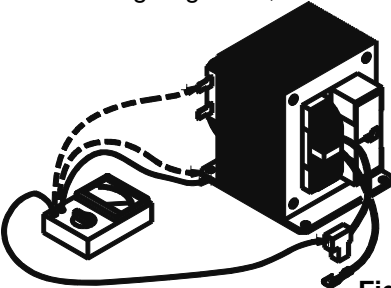
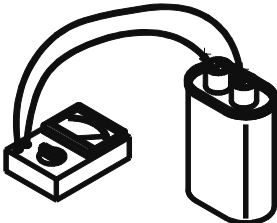
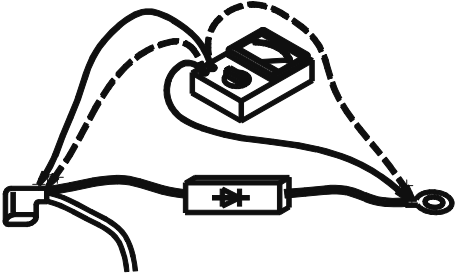
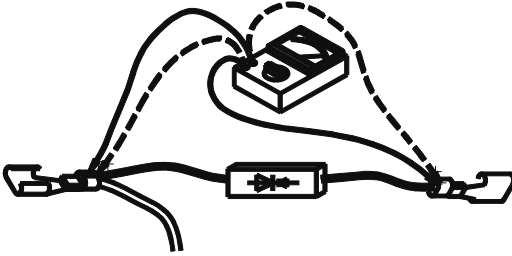
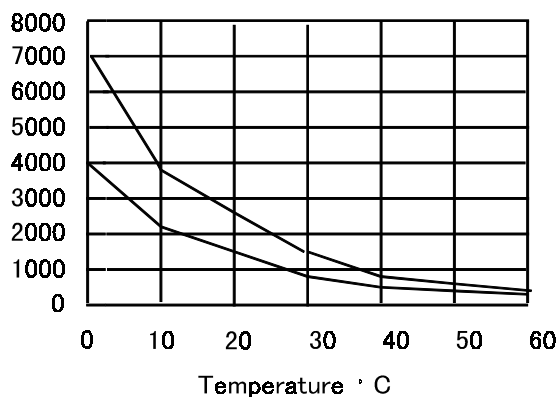
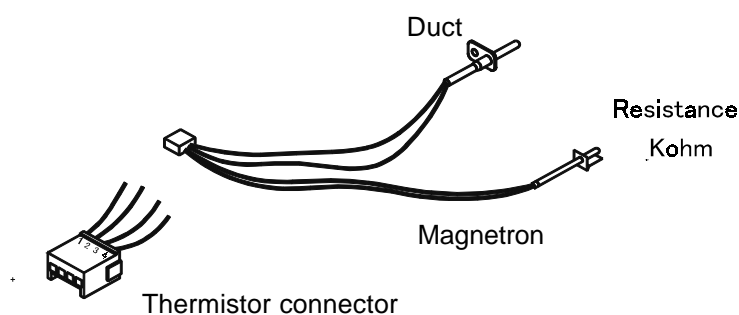


Figure 3

COMPONENT	CHECKOUT PROCEDURE	RESULT
MAGNETRON	<div><p>1) Check for resistance: Across the filament terminal of the magnetron with an ohm - meter on Rx1 scale.</p><p>Figure 4</p><p>2) Check for resistance: Between each filament terminal of the magnetron and the chassis ground with an ohm-meter on highest scale.</p><p>Figure 5</p></div>	<div><p>Normal reading: Less than 1 ohm.</p><p>Normal reading: Infinite ohms.</p></div>
HIGH-VOLTAGE TRANSFORMER	<div><p>1) Measure the resistance: With an ohm-meter on R x1 scale.</p><div><p>a. Primary winding;</p><p>b. Filament winding;</p><p>c. Secondary winding;</p></div><p>2) Measure the resistance: with an ohm-meter on highest scale.</p><div><p>a. Primary winding to ground;</p><p>b. Filament winding to ground;</p></div><p>Figure 6</p></div>	<div><p>Normal reading:</p><div><p>Approximately 2.0 ohms</p><p>Less than 1 ohm.</p><p>Approximately 137 ohms</p></div><p>Normal reading:</p><div><p>Infinite ohms.</p><p>Infinite ohms.</p></div></div> <p>Note: Remove varnish of measured point.</p>

COMPONENT	CHECKOUT PROCEDURE	RESULT
HIGH-VOLTAGE CAPACITOR Including internal bleeder resistor	Measure the resistance: Across two terminals with an ohm-meter on highest scale.  Figure 7	Normal reading: Momentarily indicates several ohms, and gradually to 10 meg-ohms. Abnormal reading: Indicates continuity or 10 meg-ohms from the beginning.
HIGH-VOLTAGE DIODE	Measure the resistance: Across two terminals with an ohm-meter on highest scale.  Figure 8	Normal reading: Indicate about middle position in one direction (forward) and infinite ohms in the reverse direction, using ohm meter with a 9V battery. NOTE - Some digital meter may show more than 0 ohms or infinite ohms even in a forward direction because the low measuring voltage of the meter does not allow the meter to pass through the high voltage diode. Use an ohm meter with a 9V battery. Abnormal reading: Indicates continuity or infinite ohms in both directions.
FUSE DIODE	Measure the resistance: Across two terminals with an ohm-meter on highest scale.  Figure 9	Normal reading: Indicate infinite ohms in both directions. Abnormal reading: Indicates continuity in both directions or continuity in one direction and infinite ohms in reversed direction.

THERMISTOR CHART



7. DISASSEMBLY INSTRUCTIONS

- THE OVEN MUST BE DISCONNECTED FROM THE ELECTRICAL OUTLET WHEN MAKING REPLACEMENTS, REPAIRS, ADJUSTMENT OR CONTINUITY CHECKS. BEFORE PROCEEDING WITH ANY REPAIR, WORK, WAIT AT LEAST 1 MINUTE, UNTIL THE CAPACITOR IN THE HIGH VOLTAGE AREA HAS FULLY DISCHARGED.

A. REMOVING INTERLOCK MONITOR SWITCH

(See Figure 1 on page 1)

- (1) Disconnect all lead wires from the interlock monitor switches.
- (2) Remove 2 screw securing the lever stopper.
- (3) Pull out the interlock monitor toward you while pressing switch stopper.
- (4) Make the necessary adjustment, and perform a microwave energy leakage check according to "1. ADJUSTMENT PROCEDURE FOR SWITCHES" on page 1. Check proper operation according to "CHECKOUT PROCEDURE FOR SWITCHES" on page 7.

B. REMOVING DOOR INTERLOCK SWITCH

(See Figure on page 1)

- (1) Disconnect all lead wires from the door interlock switch.
- (2) Remove 2 screw securing the lever stopper.
- (3) Pull out the door interlock switch toward you while pressing switch stopper.
- (4) Make the necessary adjustments or replacement of the switch by reversing step (3) and check microwave energy leakage according to "1. ADJUSTMENT PROCEDURE FOR SWITCHES" on page 1. Check proper operation according to "CHECKOUT PROCEDURE FOR SWITCHES" on page 7.

C.REMOVING DOOR SENSING SWITCH

(See Figure on page 1)

- (1) Disconnect all lead wires from the door sensing switch and door interlock switch.
- (2) Remove 2 screw securing the lever stopper.
- (3) Pull out the door sensing switch toward you while pressing switch stopper together with door interlock switch.
- (4) Make the necessary adjustments or replacement of the switch by reversing step (3) and check microwave energy leakage according to "1. ADJUSTMENT PROCEDURE FOR SWITCHES" on page 1. Check proper operation according to "CHECKOUT PROCEDURE FOR SWITCHES" on page 7.

WHEN REPLACING ANY DOOR MICROSWITCH, REPLACE ONLY WITH THE SAME SWITCH SPECIFIED ON THE PARTS LIST.

D. REMOVING FUSE

Remove the 8 A fuse with screwdriver.

NOTES

- When replacing the 8 A fuse, be sure to use the exact repair part.
- If the 8 A fuse blows immediately, check the primary and secondary interlock switch, the relays RL-4 and RL-1 (on the control circuit board) and the interlock monitor switch according to "CHECKOUT PROCEDURE FOR SWITCHES" on page 7. Make sure to check the microwave energy leakage according to "1. ADJUSTMENT PROCEDURE FOR SWITCHES" on page 1, when the primary and secondary interlock switches, the relay RL-4 and RL-1 or the interlock monitor switch is adjusted or replaced.

- If the interlock switch, the relay RL-4 and RL-1 or the interlock monitor switch operate properly, determine which of the following is defective : control circuit board, high voltage transformer, high voltage capacitor, high voltage diode or magnetron.

E. REMOVING CONTROL CIRCUIT BOARD

- (1) Remove the cabinet(frame).
- (2) Remove 2 screws securing the P.C.B for Power with bracket to the cavity. (Figure 11)
Then take out it.
- (3) To remove the Control Assembly, remove the all connector and lead wires from the Control circuit board.
- (4) Remove 3 screws securing the Control Assembly to the cavity.
- (5) Remove the FPC connector from the connector S101 while pushing up the end of the plastic fastner .
- (5) Remove 6 screws securing the control circuit board.

- (6) Lift up the control circuit board from its left side and take out from the control base.

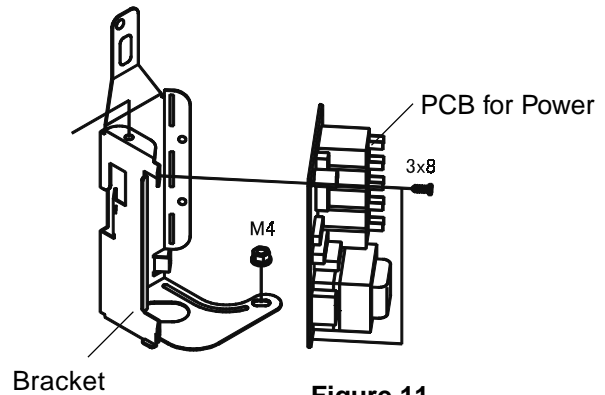


Figure 11

F.REMOVING TOUCH KEY BOARD

- (1) Remove the FPC connector from the connector S101 while pushing up the end of the plastic fastner.
- (2) Remove the control plate which is held on the control base with the adhesive tape from the front of control base.

G. REMOVING MAGNETRONS

(See Figure 12)

- (1) Remove the Cabinet.
- (2) Remove all lead wires from magnetron and thermal limiter on duct.
- (3) Remove 2 screws securing the stay plate.
- (4) Remove 4 screw securing magnetrons to the waveguide.
- (5) Remove magnetron from the wave guide
VERY CAREFULLY.

NOTES

- When removing the magnetron, make sure that its dome does not hit any adjacent parts, or it may be damaged.
- When replacing the magnetron, be sure to install the magnetron gasket in the correct position and be sure that the gasket is in good condition.
- After replacing the magnetron, check the microwave energy leakage to ensure it is below the limit of 5mW/cm².

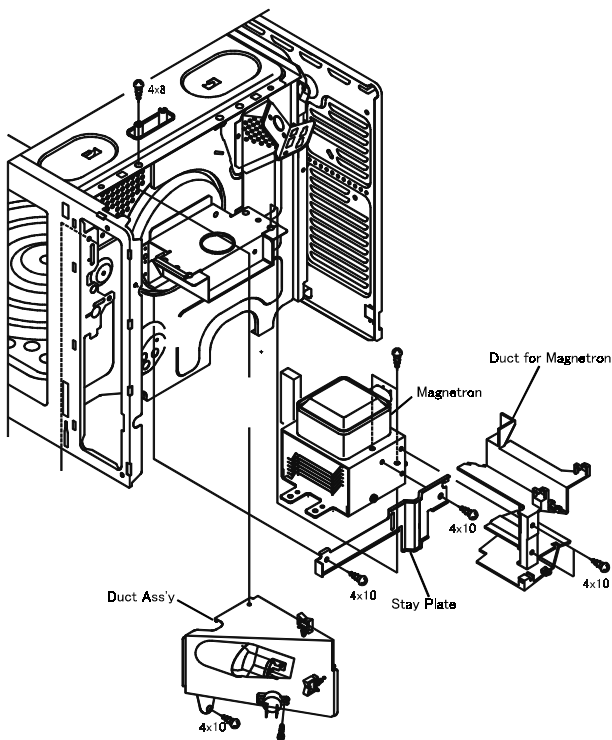


Figure 12

H.REMOVING DOOR

- (1) Remove the cabinet(frame).
- (2) Remove 2 screws securing the P.C.B for Power with bracket to the cavity. (Figure 11)
Then take out it.
- (3) Remove the both of spring hanging to the arm.
Note; When reinstalling the spring, be carefull of direction of the tip of spring.
- (4) To remove the arms, push the on its under the door closing.
- (5) Remove the 2 screws securing roller assembly to detach the both of hinge.

NOTES

- After replacing the door, be sure to check that the interlock switch, the door sensing switch and the interlock monitor switch operate normally. (See pages 1 and 7)
- After replacing the door, check for microwave energy leakage with a leakage detector. Microwave energy leakage must be below the limit of $5\text{mW}/\text{cm}^2$.

I.RELEASING TYPE CONNECTOR

This oven is provided with locked type connectors. When you remove a connector, pull the connector while releasing the lock by pressing "A" point shown below. Do not pull the wire of the connector.

Connector:

S1, S2, S102, S104 (Figure 13)

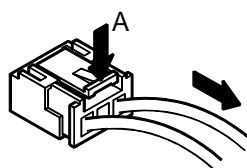


Figure 13

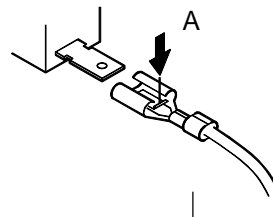


Figure 14

Pull connector case (Never pull the wire)

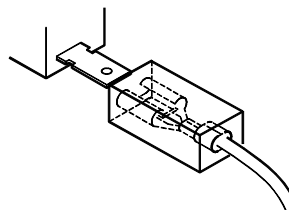


Figure 15

J.DETECTOR (INFRALED SENSOR)

- (1) When microwave operation is overheating, check for surface of filter on infrared sensor and mounting place of infrared sensor to the cavity.
If the clouding the surface of filter on infrared sensor, clean up the surface of filter using soft cloth and secure the 2 screws infrared sensor to their mounting place certainly as shown in figure 16.

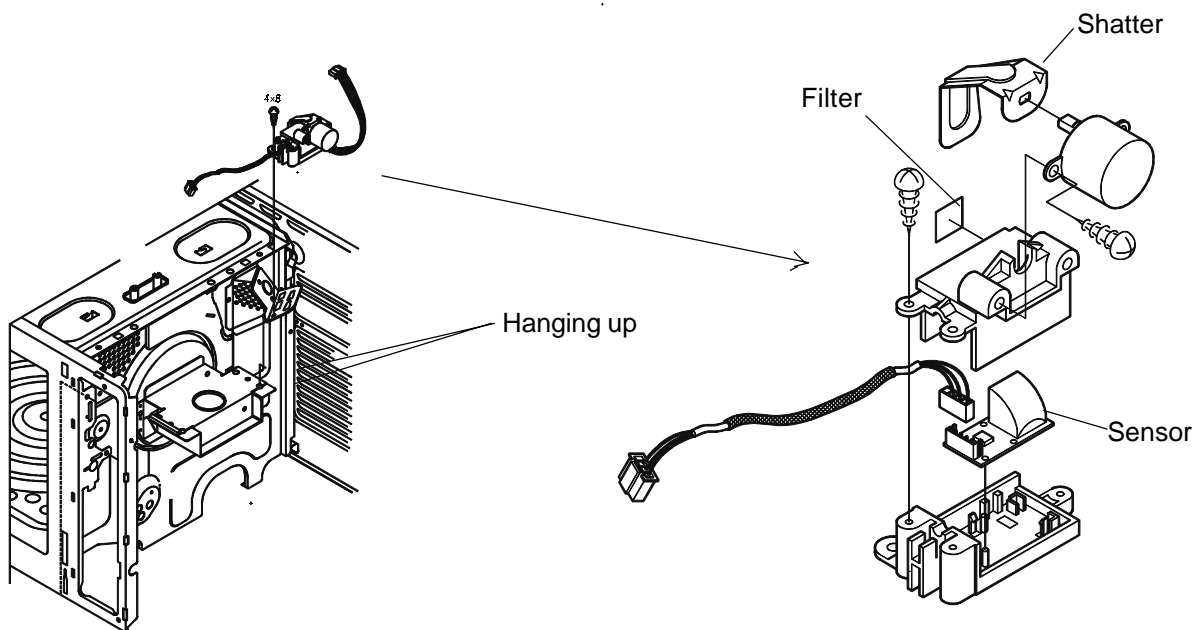


Figure 16

Adjustment Method for Infrared sensor

When Control PCB or Infrared sensor is changed, please carry the following 'Initialization' adjustment out for the Infrared sensor.

Procedure

1. Prepare 250g \pm 5g tap water and ice 500g \pm 5g.
2. Pour water and ice into a plastic tray with minimum 195mm inner diameter cylinder, maximum 60mm height.
3. Plug in power cord.
4. Open the door. "0" will appear in the display window.
5. Place the turn table base and turn table.
6. Place the Plastic tray in the centre of the turn table in the oven.
7. Push the "GRILL" key. "0" s will appear in the display window.
8. Push together with "MORE/LESS" and "POWER" key for 1 second and more.
Buzzer will beep tone.
9. Press the "OVEN TEMP." key once.
Buzzer will beep tone and the "0"s changes to a "0" D. D will flasing.
10. Press the "MORE/LESS" key once.
Buzzer will beep tone. Temperature of Ice with water will be corrected automatically while measure the ice with water. After 3 seconds, its corrected water temperature will appear in the display window.
11. Press the "STOP/CLEAR" key once.
Buzzer will beep tone and the "0" °C changes to a flashing "0".
12. Press "STOP/CLEAR" key once.
Buzzer will beep tone and the "0" will appear in the display window.
Flashing D will disappear.
13. Take the plastic tray out from oven cavity.

BEFORE CALLING FOR SERVICE

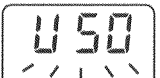
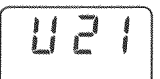
Make following simple checks before contacting SANYO Service Center.

Never remove or interfere with any parts or screws.

THIS COULD PROVE VERY DANGEROUS.

Problem	Checking items
Nothing is indicated in the display after connecting the plug to an outlet.	<ul style="list-style-type: none"> Power will not be supplied merely by connecting the plug to an outlet with the door closed. <ul style="list-style-type: none"> → Open the door for 1 second or more. (Power will be turned on and "0" will appear in the display.)
No operations at all.	<ul style="list-style-type: none"> Open the door for 1 second or more, place the food inside the oven and operate. (This occurs because power is automatically turned off to save energy upon lapse of 5 minutes after operation. Refer to Auto Power Off Function on page 9.) Check whether there is a power failure, or whether the main circuit breaker has been opened. <ul style="list-style-type: none"> → Open the door for 1 second or more after recovery from the power failure or closing the main circuit breaker. Check for a disconnected power plug. <ul style="list-style-type: none"> → Connect the power plug to an outlet and open the door for 1 second or more. * Unless the door is opened once, the power will not be supplied. Check if the door is closed firmly.
Food does not heat.	<ul style="list-style-type: none"> Check whether the food is covered by a metal container or aluminum foil during heating with micro heating. Check for "D" in the display. (Refer to page 45.)
Heating soon stops.	<ul style="list-style-type: none"> Check for too high temperature inside the oven when heating with micro heating. <ul style="list-style-type: none"> → Press STOP/CLEAR, cool down the oven by keeping the door open for a while, and operate again.
The turntable does not rotate or its rotation is uneven.	<ul style="list-style-type: none"> Check if the turntable is set correctly. Check the food (container) for contact with the wall.
Arcing or abnormal sounds occur.	<ul style="list-style-type: none"> Check for use of a metal container, container having gold or silver decoration, metal skewers, baking tray or cooking rack when heating with micro heating. Check for contact by metallic substrates (aluminum foil, etc.) with the wall.
Smoke or odor occurs.	<ul style="list-style-type: none"> Check inside the oven and turntable for contamination by food waste and oil. Is it the first empty baking of the oven?

Check as instructed below when U50 or U21 appears in the display.

<p>"U50" flashes in the display.</p> 	<ul style="list-style-type: none"> Was the key pressed within 1 minute after placing the food inside the oven and closing the door for REHEAT and automatic operation keys? Was the key pressed within 1 minute after connecting the plug to an outlet, placing the food inside the oven and closing the door? <ul style="list-style-type: none"> → Open and then close the door again and press the key within 1 minute. * This function prevents empty heating without any food.
<p>The buzzer sounds five times and "U21" appears in the display.</p> 	<ul style="list-style-type: none"> Check for high temperature inside the oven when the temperature is set to 20°C or less at SET TEMP. or pressing AUTO DEF. or setting to fermentation. <ul style="list-style-type: none"> → Press STOP/CLEAR, open the door for a while to cool down the oven, and repeat the operation.

When the buzzer sounds five times and one of the following error messages appears.

"E1", "E2", "E3" or "E22"	Check the indicated error code, disconnect the power plug from the outlet and inform your dealer of the error code.
---------------------------	---

Indication on display (not malfunctions)

"HOT" is indicated in the display.



- This appears when the temperature of the turntable or the inside of the oven is too high. Automatic heating and manual heating can be operated even during the "HOT" indication. Until the temperature lowers, the cooling fan continuously revolves (up to 30 minutes).

The "HOT" indication remains after removing the turntable or baking tray.

- This is indicated until the temperature inside the oven lowers.

"HOT" is not indicated although the turntable is hot.

- The "HOT" message will not be indicated when using microwave heating immediately after oven or grill heating or microwave heating is repeated at short intervals. Always be careful when removing the turntable.

"VENT" is indicated and the fan revolves.

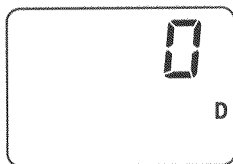


- The fan revolves to ventilate the oven after microwave heating. (The fan continues to revolve after opening the door.) The indication disappears 1 minute later; however, the fan will continuously revolve for up to 30 minutes until the sensor cools down.

"0" flashes in the display.



- "0" appears when the **STOP/CLEAR** key is consecutively pressed five times.
- Press **STOP/CLEAR** to clear "0" and to operate the oven normally.



When "D" is indicated in the display

- ① Press **STOP/CLEAR** five times.
(The buzzer beeps and the "0" changes to a flashing "0".)
- ② Press **REHEAT/START** five times.

The buzzer beeps and the flashing "0" changes to a steadily lit "0". When "D" disappears, the oven may be used normally.

The following symptoms are not malfunctions:

- Clicking sounds during heating: ————— • These are switching sounds when switching the output.
- Snapping sounds during heating: ————— • A noise is made when the oven wall expands during oven or grill heating.
- Revolving fan after heating: ————— • The fan continuously revolves to ventilate the oven or cool down the infrared ray sensor for a maximum of 30 minutes.
- Sound when opening the door or using SET TEMP.: ————— • This is the sound of motor stabilizing the infrared ray sensor.
- Click sound although nothing is done: ————— • This is the power turning off sound when the auto power off function is activated. (About 5 minutes after heating finishes)
- Interior light doesn't turn on during heating: ————— • The interior light turns off 3 seconds after the start of heating to save energy. (Refer to page 9.)
- Interior light turns off halfway during heating: —————

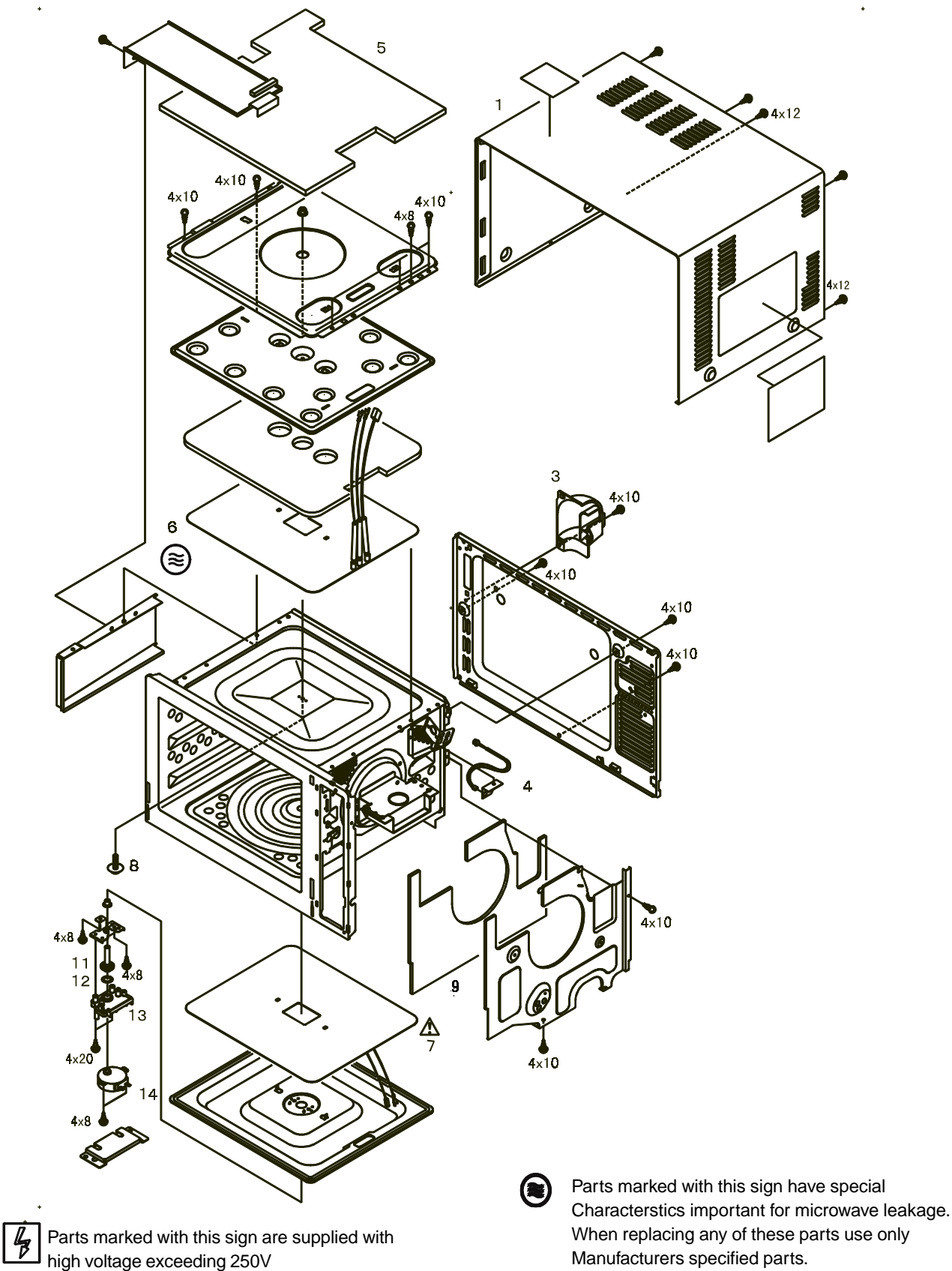
Specifications

Microwave oven heating	Microwave power out put	700 W*, corresponding to 500 W · 200 W*
	Frequency	2,450 MHz
	Power consumption	1,090 W (during 700 W high-frequency output)
Oven heating	Power consumption	1,330 W (Heater: 1,300 W) at 230 V
	Temperature adjustment range	40°C (fermentation), 100° - 250°C <small>*Operating time for this oven at 230 - 250°C is 10 minutes. After this, the temperature switches automatically to 220°C.</small>
Grill heating	Power consumption	930 W (Heater: 900 W) at 230 V
Common specifications	Input power supply	220 - 240 V single-phase, 50 Hz
	Outside Dimensions	510 mm (W) x 458 mm (D) x 345 mm (H)
	Interior dimensions (effective)	339 mm (W) x 352 mm (D) x 209 mm (H)
	Turntable dimensions	340 mm dia.
	Weight	20 kg

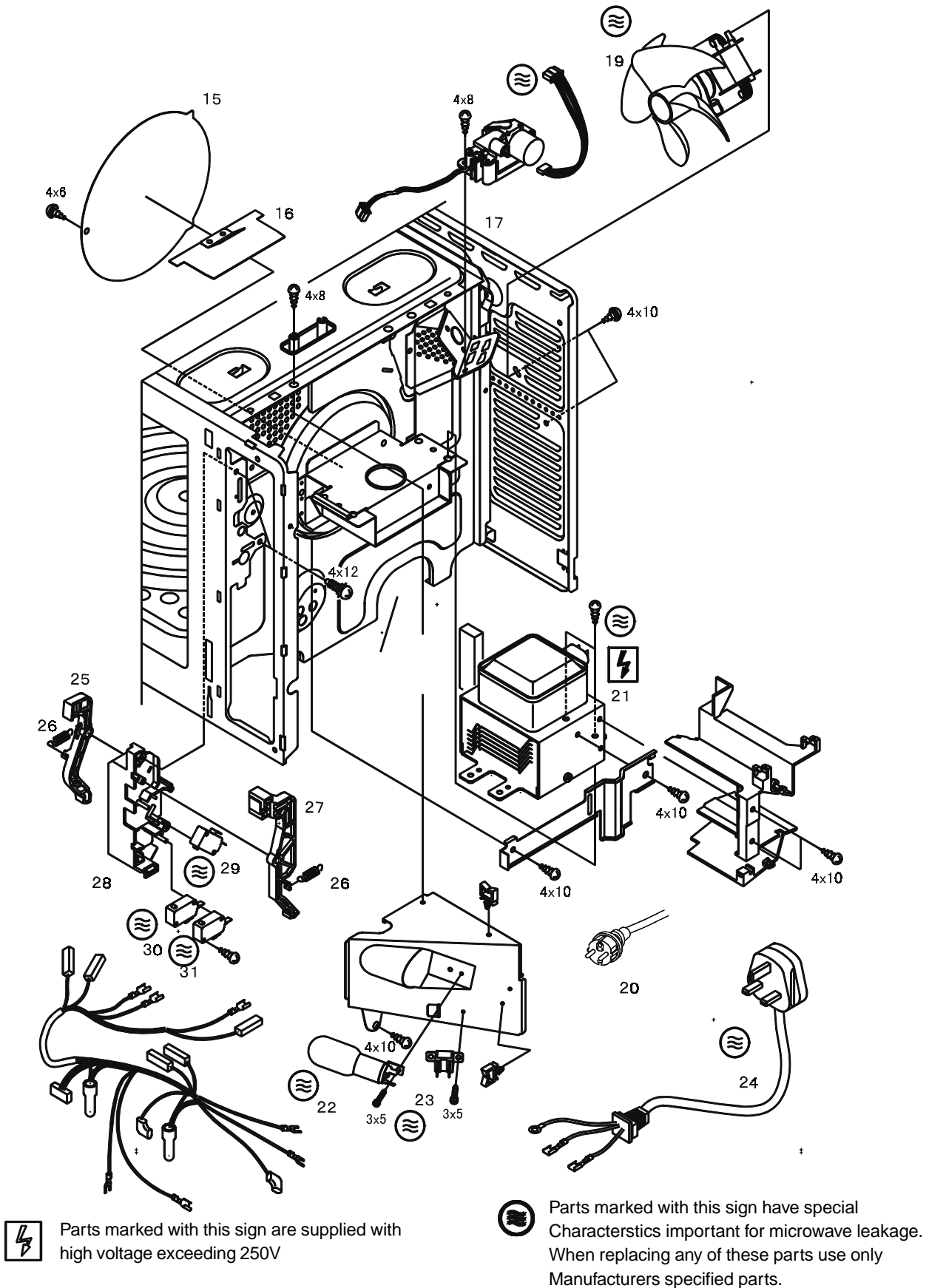
* According to IEC-705 test procedures.
Specifications subject to change without notice.

8. EXPLODED VIEW AND PARTS LIST

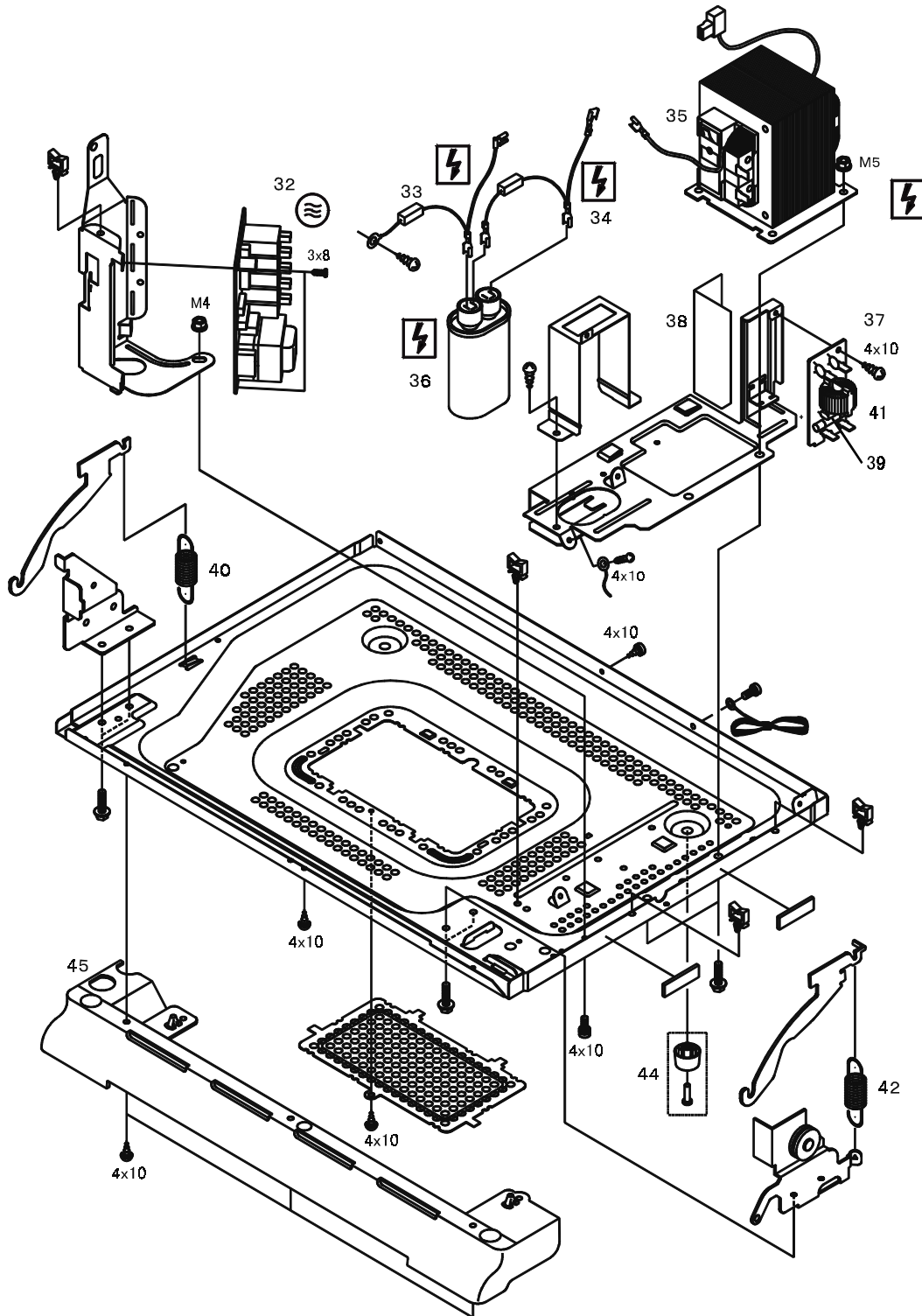
Main body Parts



Main body Parts



Main body Parts



Parts marked with this sign are supplied with high voltage exceeding 250V

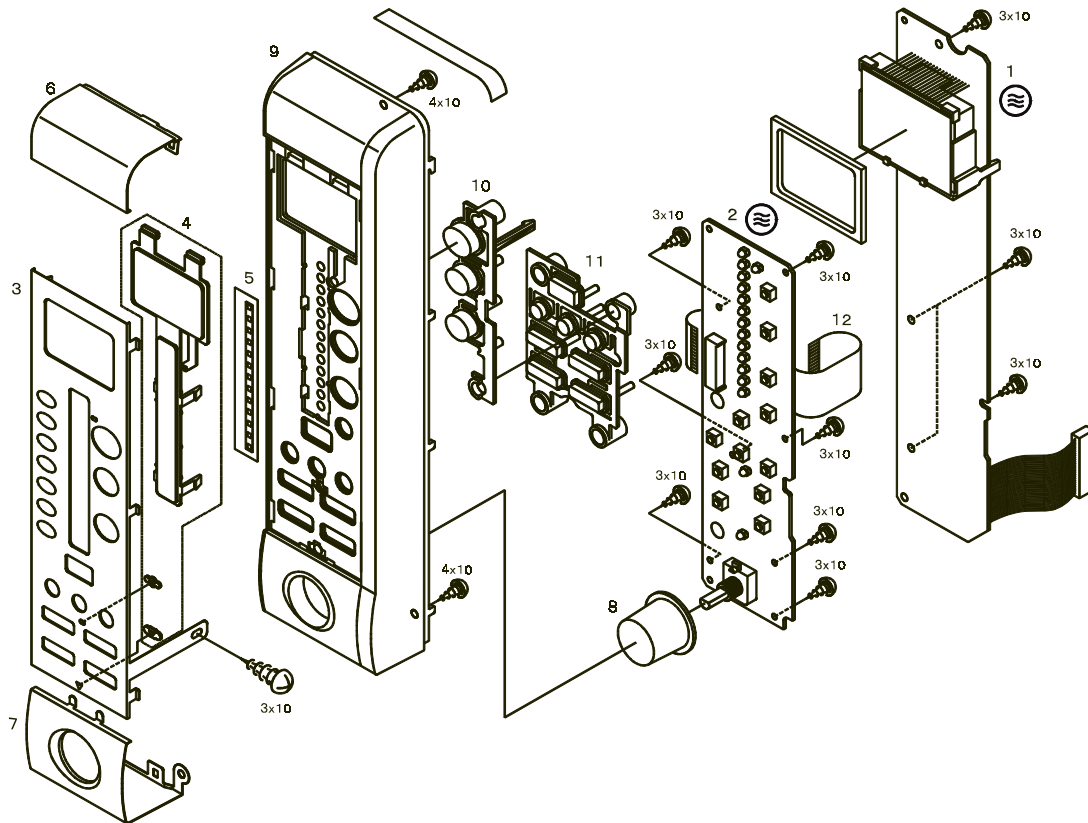


Parts marked with this sign have special Characteristics important for microwave leakage. When replacing any of these parts use only Manufacturers specified parts.

Main body Parts

Key No	Service parts No	Description	Spec.	Q'ty
1	617 228 6303	FRAME		1
3	617 220 9593	DUCT	FR-P.P E-7000	1
4	617 202 1577	THERMISTOR ASS'Y		1
5	617 221 7895	HEAT INSU.		1
6	617 227 6847	HEATER ASS'Y UPPER		1
7	617 227 6854	HEATER ASS'Y LOWER		1
8	617 154 4701	SPECIAL SCREW		1
9	617 219 7418	HEAT INSU.		1
11	617 206 6295	SHAFT ASSY		1
12	617 192 6743	SPECIAL WASHER		1
13	617 192 6729	PARTS BASE	FR-PET	1
14	617 225 0748	GEAR MOTOR	JAE IL	1
15	617 219 7401	CAVITY COVER		1
16	617 219 6954	ANTENNA COMP.		1
17	617 220 6585	DETECTOR COMP.		1
19	617 227 7097	BLOWER COMP.		1
20	617 229 7743	CORD COMP. NX		1
21	415 002 8907	MAGNETRON 2M243H(A)	SNYO	1
22	617 115 3422	LAMP	240V 20W METORO	1
23	617 129 1001	THERMOSTAT	SGT 135&C VERTICAL	1
24	617 229 7699	CORD COMP. SG		1
25	617 227 7042	LEVER		1
26	617 187 2217	SPRING	SUS304-WPB D0.7	2
27	617 227 7059	LEVER		1
28	617 227 7028	LEVER STOPPER		1
29	617 215 9133	MICRO SWITCH DOOR INTER	V-15G-1C25-M OMRON	1
30	617 160 0421	MICRO SWITCH DOOR SENSING	YAMATAKE V-5230D-142	1
31	617 193 3024	MICRO SWITCH MONITOR	V-16G-3C25-M OMRON	1
32	617 227 4263	P.C.B COMP. POWER	P-BOARD	1
33	617 227 7165	LEAD WIRE ASS'Y H.V DIODE		1
34	617 227 7172	LEAD WIRE ASS'Y FUSE DIOD		1
35	617 227 7134	TRANSFORMER	TABUCHI	1
36	617 218 0571	CAPACITOR	HAMSUNG 0.85/2200	1
37	617 228 2084	P.C.B COMP. NOIZE FILTER	N/F PCB	1
38	617 228 8420	INSU. SHEET		1
39	423 017 8003	FUSE 250V 8A	SOC	1
40	617 205 5800	SPRING	SWP-B D1.6	1
41	617 207 6836	CLIP		1
42	617 205 5817	SPRING	SWP-B D1.6	1
44	617 144 5435	FOOT CUSHION ASS'Y		2
45	617 219 6633	FOOT	P.P	1

Control Panel Parts

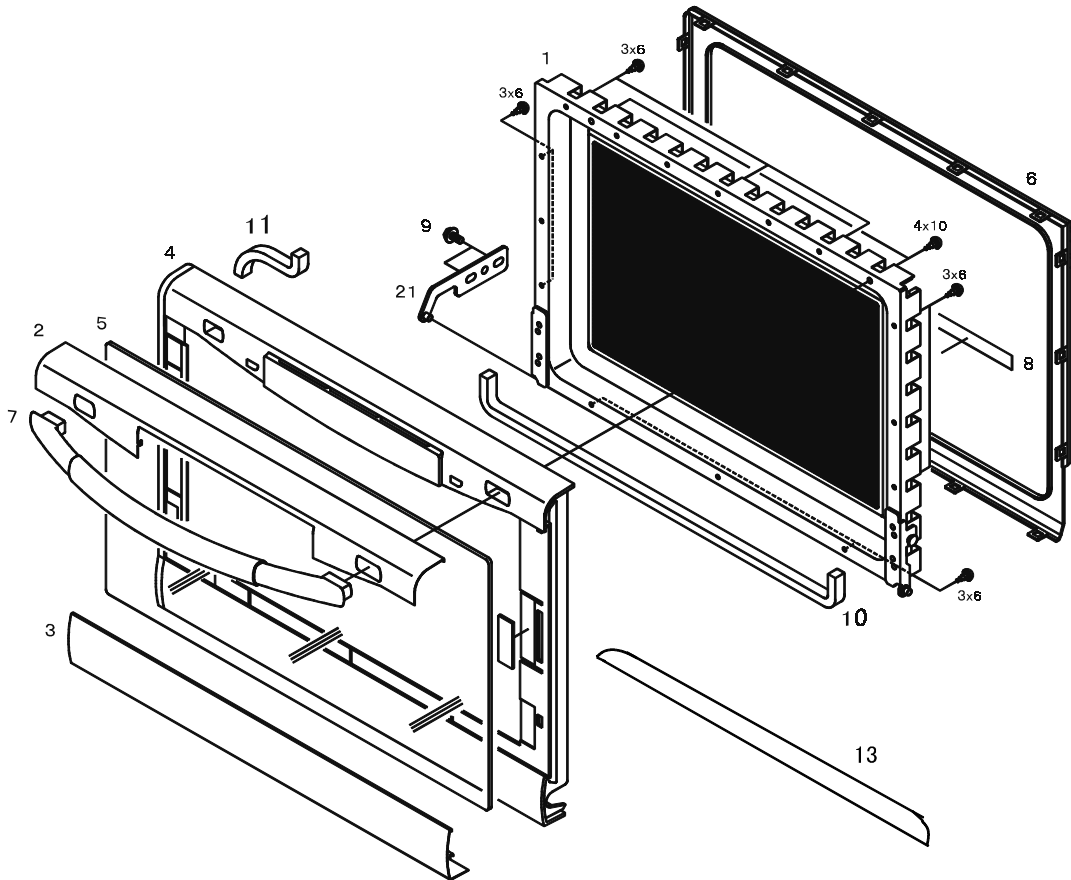


Key No	Service parts No	Description	Spec.	Q'ty
1	617 227 4218	P.C.B COMP. CONTROL	C-BOARD	1
2	617 219 6299	P.C.B COMP. SWITCH	SW-BOARD	1
3	617 227 6939	CONTROL PLATE	SUS430 HL#150 T0.4	1
4	617 219 7180	CONTROL PLATE	PMMA	1
5	617 220 2365	CONTROL PLATE		1
6	617 219 7296	ORNAMENT PLATE	SUS430 2BC T0.3	1
7	617 219 7289	ORNAMENT PLATE	SUS430 2BC T0.3	1
8	617 220 2372	KNOB BODY	PC+ABS(S1500V)	1
9	617 219 7203	CONTROL BASE	PC+ABS(S1500V)	1
10	617 219 7258	SWITCH BUTTON	PET+ABS	1
11	617 220 2389	SWITCH BUTTON	ABS	1
12	617 220 2396	FLAT CABLE	UL20706 L170 20PBNCD	1



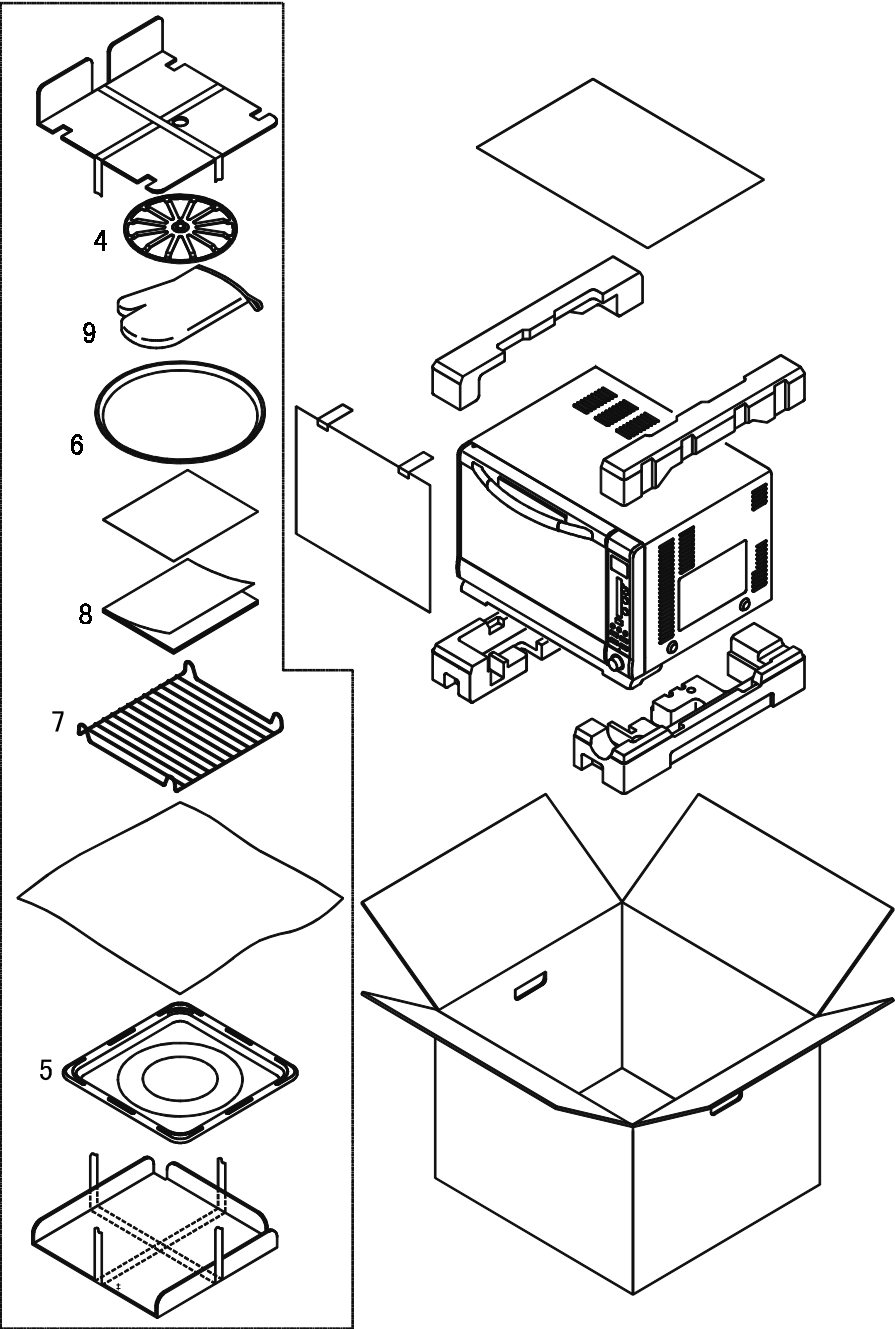
Parts marked with this sign have special Characteristics important for microwave leakage. When replacing any of these parts use only Manufacturers specified parts.

Door Parts



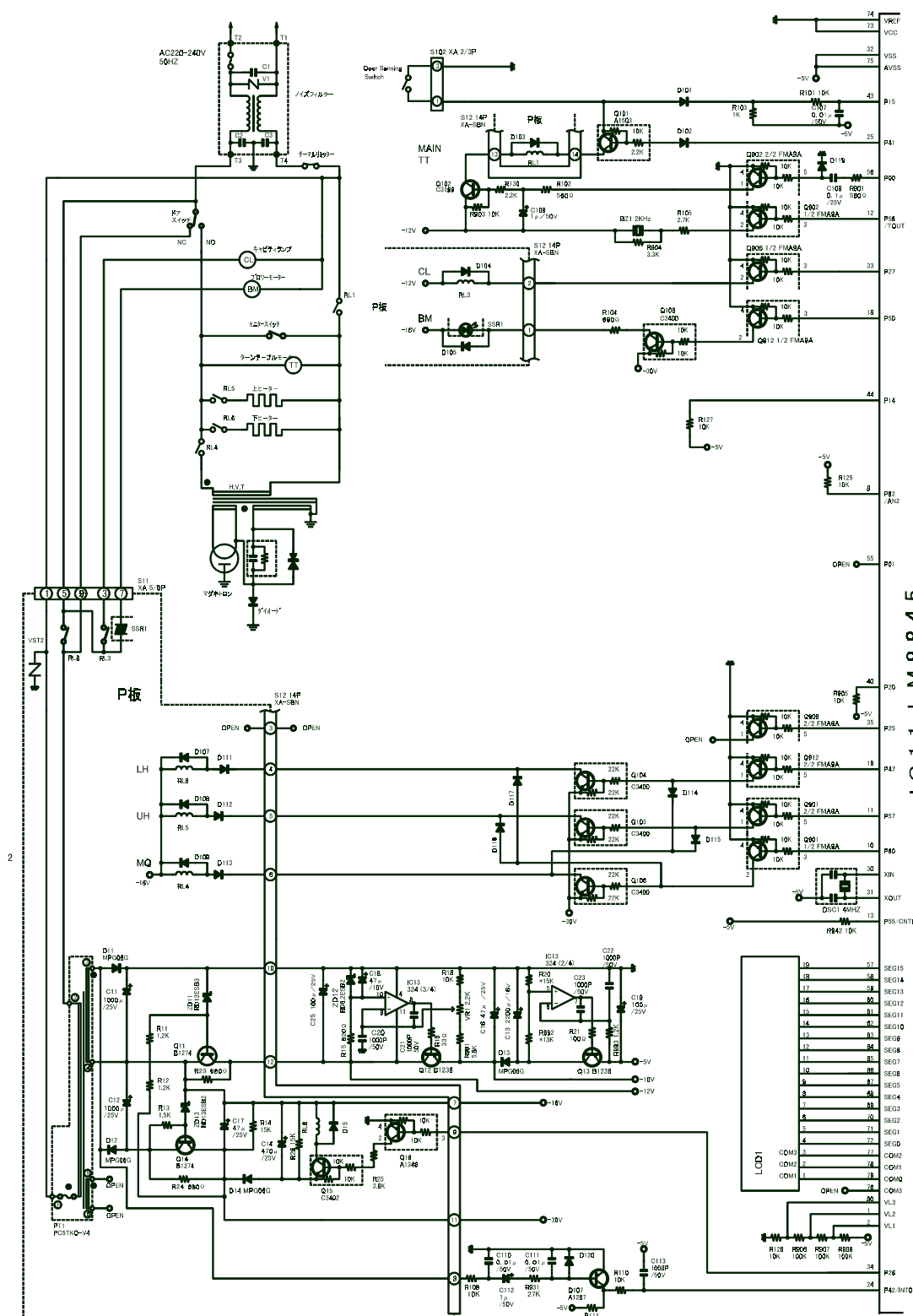
Key No	Service parts No	Description	Spec.	Q'ty
1	617 219 6657	DOOR ASSY. COMP.		1
2	617 219 6787	DOOR ORNAMENT PLATE	PC+ABS	1
3	617 229 6838	DOOR ORNAMENT PLATE	SUS430 T0.3	1
4	617 219 6756	DOOR COVER		1
5	617 227 6724	DOOR PANEL		1
6	617 227 6731	CHOKE DIELECTRIC	FR-PET	1
7	617 219 6763	DOOR HANDLE		1
9	617 102 7495	SPECIAL SCREW	CAP TIGHT	2
10	617 222 0802	PACKING	NITTO NO.686P	1
11	617 222 0819	PACKING	NITTO NO.686P	1
12	617 229 0485	PACKING		1
13	617 230 6582	DOOR ORNAMENT PLATE		1

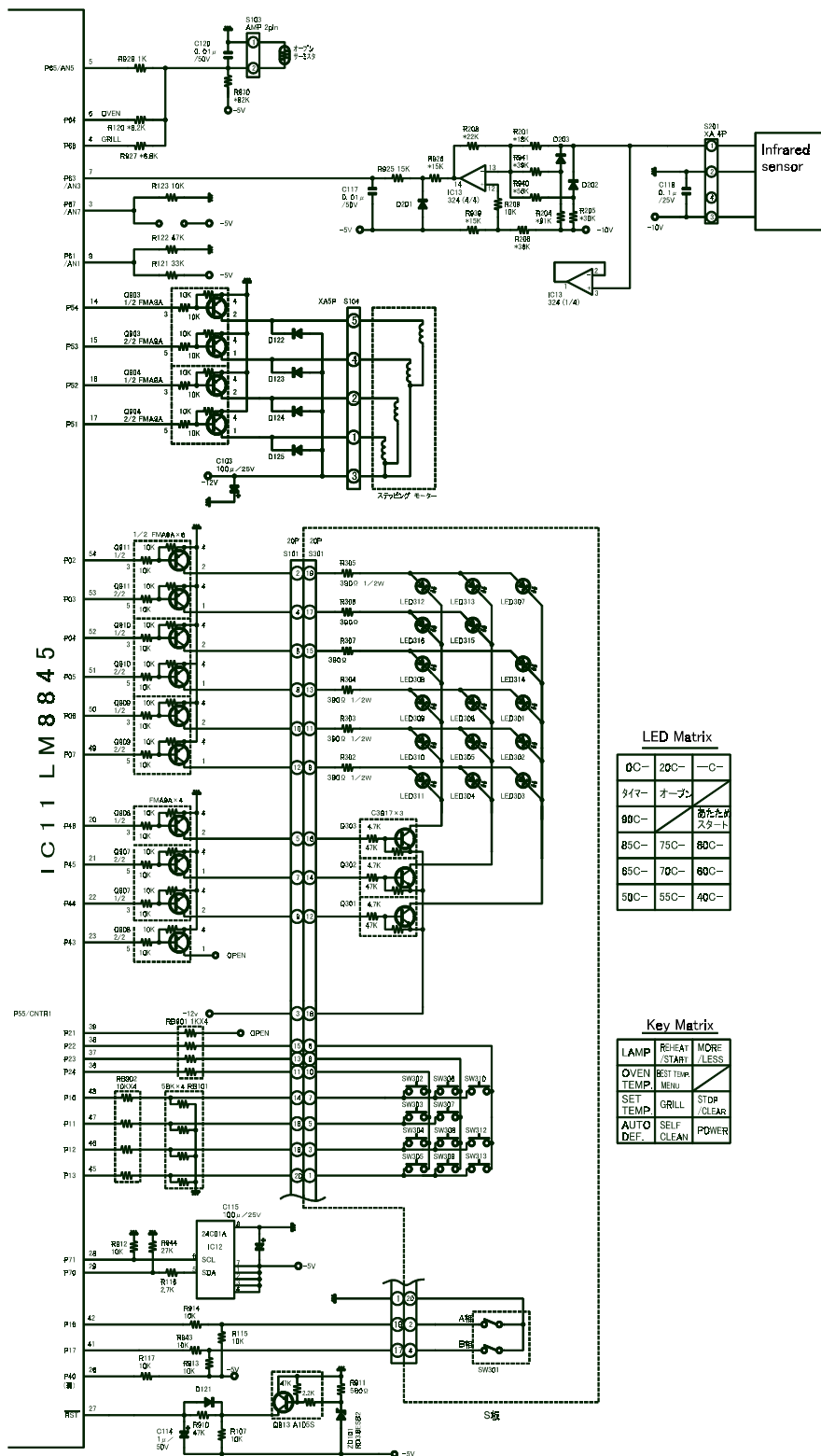
Packing Parts



Key No	Service parts No	Description	Spec.	Q'ty
4	617 219 6251	TURN TABLE BASE	SWM-B ENGLISH	1
5	617 219 6466	BAKING TRAY		1
6	617 219 7630	TURNTABLE		1
7	617 219 7647	COOKING RACK		1
8	617 227 7233	INST. MANUAL		1
9	617 216 0092	GLOVE		1

9. OVERALL CIRCUIT DIAGRAM





CONTROL CIRCUIT BOARD

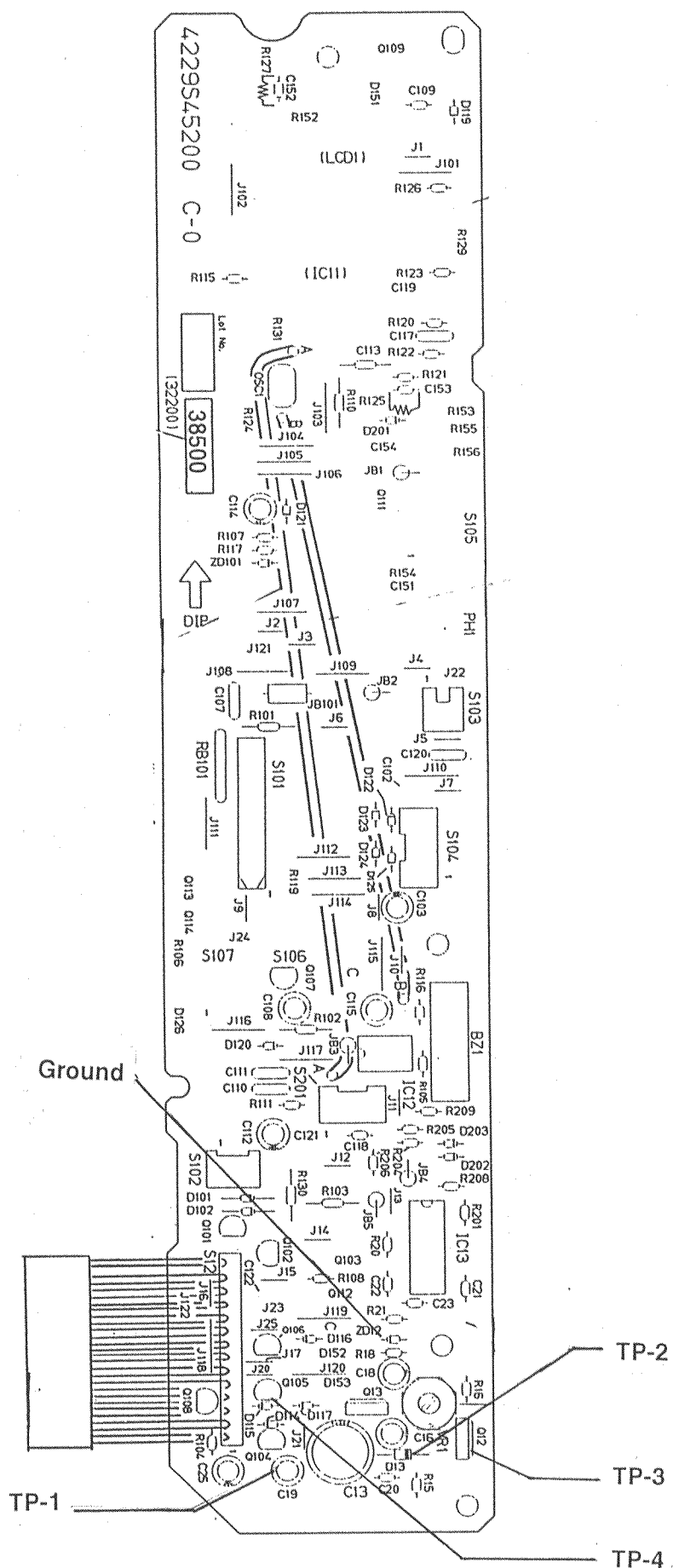


Figure 17



Nov./99

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